

DOCKET NO.: MSFT-2518/304102.01

PATENT

#9/10/03
of
JTB
9-24-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

RECEIVED

In Re Application of:

Tim Carroll, et al.

Serial No.: 09/617,624

Confirmation No.: 8509

Group Art Unit: 2751

Examiner: To Be Assigned

AUG 13 2003

Technology Center 2100

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AUG 18 2003

Filing Date: July 17, 2000

Technology Center 2100

For: System and Method For Emulating The Operation Of A Video Graphics
Adapter

VIA HAND-DELIVERY

Mail Stop DSD
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

POWER OF ATTORNEY WITH REVOCATION

Revoking any and all powers of attorney heretofore given in the matter of the above-entitled application, the undersigned, assignee of the entire interest in the above-identified application, hereby appoints **Steven J. Rocci**, Registration No. **30,489**, of Philadelphia, Pennsylvania, as attorney, with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

Send all future correspondence and address all telephone calls to:

Steven J. Rocci
WOODCOCK WASHBURN LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
Telephone: (215)568-3100

In addition, the assignee also appoints the following attorneys listed below of **MICROSOFT CORPORATION, One Microsoft Way, Redmond, Washington 98052** with full power of substitution and revocation, to prosecute this application, to make alterations and amendments therein, to receive the patent, and to transact all business in the Patent and Trademark Office connected therewith.

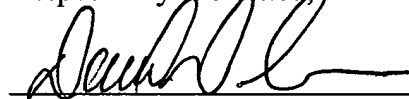
Daniel D. Crouse

Registration No. 32,022



A Statement under 37 CFR § 3.73(b) and copies of relevant documents accompany this Revocation of Power of Attorney.

Respectfully submitted



(Signature)

Date: 5/23/2003

Name: Daniel D. Crouse
Title: Assistant Secretary
Microsoft Corporation

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STATEMENT UNDER 37 CFR § 3.73(b)

Microsoft Corporation, a corporation of the State of Washington, states that it is:

☒ the assignee of the entire right, title, and interest; or

☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of:

A. ☐ An assignment from the inventor(s) of the patent application/patent identified above.

☐ 1. The assignment was recorded in the Patent and Trademark Office at Reel, Frame(s)

☐ 2. The assignment has not yet been recorded. A copy of the assignment is attached.


B. ☒ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

- i. From: **Tim Carroll and Aaron S. Giles** To: **Connectix Corporation**.
The document was recorded in the Patent and Trademark Office at **Reel 011487, Frame(s) 0180**.

- ii. From: To: The document was recorded in the Patent and Trademark Office at Reel , Frame(s) , or for which a copy thereof is attached.
- iii. From: **Connectix Corporation** To: **Microsoft Corporation**, a copy of which is attached.
- ☐ Additional documents in the chain of title are listed on a supplemental sheet.
- ☐ Copies of assignments or other documents in the chain of title are attached.

The undersigned (whose title is supplied below) is empowered to act on behalf of the assignee.

Date: 5/23/2003



Signature
Name: Daniel D. Crouse
Title: Assistant Secretary
Microsoft Corporation

Woodcock Washburn LLP
One Liberty Place - 46th Floor
Philadelphia, PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439

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Alexandria, VA 22313-1450

Sir:

ASSOCIATE POWER OF ATTORNEY

The undersigned, of the firm WOODCOCK WASHBURN LLP, One Liberty Place - 46th Floor, Philadelphia, Pennsylvania 19103, Attorney(s) and/or Agents for Applicant(s), hereby appoints the following:

Richard E. Kurtz	Registration No. 19,263	Michael J. Bonella	Registration No. 41,628
Dale M. Heist	Registration No. 28,425	Harold H. Fullmer	Registration No. 42,560
John W. Caldwell	Registration No. 28,937	John E. McGlynn	Registration No. 42,863
Gary H. Levin	Registration No. 28,734	Jonathan M. Waldman	Registration No. 40,861
Dianne B. Elderkin	Registration No. 28,598	Chad Ziegler	Registration No. 44,273
John P. Donohue, Jr.	Registration No. 29,916	David N. Farsiou	Registration No. 44,104
Henrik D. Parker	Registration No. 31,863	Thomas D. Smith	Registration No. 53,619
Suzanne E. Miller	Registration No. 32,279	Steven H. Meyer	Registration No. 37,189
Lynn B. Morreale	Registration No. 32,842	Joseph R. Condo	Registration No. 42,431
Joseph Lucci	Registration No. 33,307	Michael K. Jones	Registration No. 41,100
Michael P. Dunnam	Registration No. 32,611	Frank T. Carroll	Registration No. 42,392
Michael D. Stein	Registration No. 34,734	Thomas E. Watson	Registration No. 43,243
Albert J. Marcellino	Registration No. 34,664	Peter M. Ullman	Registration No. 43,963
David R. Bailey	Registration No. 35,057	Richard B. LeBlanc	Registration No. 39,495
Barbara L. Mullin	Registration No. 38,250	Joseph D. Rossi	Registration No. 47,038
Kevin M. Flannery	Registration No. 35,871	George J. Awad	Registration No. 46,528
David A. Cherry	Registration No. 35,099	Steven D. Maslowski	Registration No. 46,905
Lynn A. Malinoski	Registration No. 38,788	S. Maurice Valla	Registration No. 43,966
Steven B. Samuels	Registration No. 37,711	Emma R. Dailey	Registration No. 48,491
Janet E. Reed	Registration No. 36,252	Vincent J. Roccia	Registration No. 43,887
Paul B. Milcetic	Registration No. 46,261	Stephen C. Timmins	Registration No. 48,481
Alfred W. Zaher	Registration No. 42,248	Richard D. Watkins	Registration No. 50,993
Robert B. Washburn	Registration No. 16,574	Erich M. Falke	Registration No. 49,049
Norrian L. Norris	Registration No. 24,196	Jane E. Inglese	Registration No. 48,444
Michael J. Swope	Registration No. 38,041	Susan C. Murphy	Registration No. 46,221

Raymond N. Scott, Jr.
David L. Marcus
Lawrence A. Aaronson
John A. Harrelson, Jr.
Joseph Milowic, III
Kenneth R. Eiferman
Karen M. Whitney
Amy Carr-Trexler
Daniel D. Biesterveld
Sharon Fenick
Phillip A. Singer
Wendy A. Choi

Registration No. 48,666
Registration No. 46,897
Registration No. 38,369
Registration No. 42,637
Registration No. 52,034
Registration No. 51,647
Registration No. 52,355
Registration No. 51,531
Registration No. 45,898
Registration No. 45,269
Registration No. 40,176
Registration No. 36,697

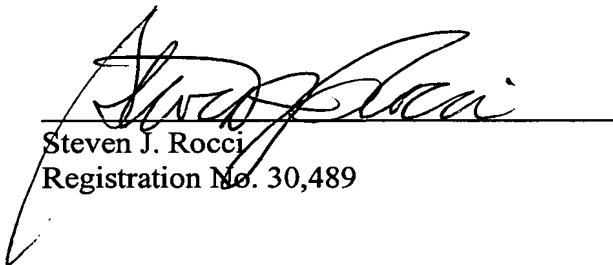
Felicity E. Groth
Jeffrey H. Rosedale
Andrew T. Serafini
Bruce D. George
Tara L. Rachinsky
Jerome G. Schaefer
Joseph F. Oriti
Richard W. Knight
Brian J. Hubbard
Scott E. Scioli
Andrew J. Hagerty
Walter C. Frank

Registration No. 47,042
Registration No. 46,018
Registration No. 41,303
Registration No. 43,631
Registration No. 47,875
Registration No. 50,800
Registration No. 47,835
Registration No. 42,751
Registration No. 45,873
Registration No. 47,930
Registration No. 44,141
Registration No. 52,911

his/her associates with full power to prosecute the above-identified application and to transact all business in the Patent Office connected therewith and requests that correspondence continue to be directed to the firm of WOODCOCK WASHBURN LLP at the above address.

Date:

6/3/03


Steven J. Rocci
Registration No. 30,489

Woodcock Washburn LLP
One Liberty Place - 46th Floor
Philadelphia PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439

ASSIGNMENT OF PATENT AND PATENT RIGHTS

WHEREAS, CONNECTIX CORPORATION, a California corporation, ("Assignor") owns all right, title and interest in and to the patents and patent applications ("Intellectual Property") identified in Schedule A attached hereto; and

WHEREAS, MICROSOFT CORPORATION, a Washington corporation, ("Assignee"), is desirous of acquiring the entire domestic and foreign right, title, and interest in and under the Intellectual Property.

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, Assignor assigns and transfers to Assignee and Assignee's legal representatives, successors and assigns, pursuant to the terms of an executed Asset Purchase Agreement by and among Assignor, Assignee, and Roy K. McDonald, Jonathan F. Garber, and Bonnie E. Fought ("Founders"), its full and exclusive rights in and to the Intellectual Property in the U.S. and every foreign country and its entire right, title, and interest in and to the Intellectual Property and related applications (e.g., provisional applications, non-provisional applications, continuations, continuations-in-part, divisionals, reissues, reexaminations, National phase applications, including petty patent applications, and utility model applications) that may be filed in the United States and every foreign country on the Intellectual Property, and extensions or derivations thereof, both foreign and domestic, that may issue thereon, and Assignor does hereby authorize and request the Commissioner of Patents to issue U.S. patents to the above-mentioned Assignee agreeably with the terms of this Assignment document. Moreover, Assignor also assigns and transfers all claims for past infringements of each of the patents and patent applications enumerated in Schedule A.

ASSIGNOR HEREBY AUTHORIZES the Assignee to insert in Schedule A to this assignment document the filing date and application number of any application if the date and number are unavailable at the time this document is executed.

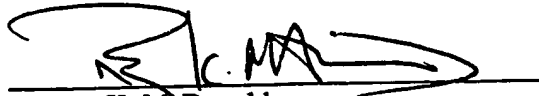
UPON SAID CONSIDERATION, Assignor conveys to the Assignee the right to make application in its own behalf for protection of the Intellectual Property in the U.S. and countries foreign to the U.S. and to claim under the Patent Cooperation Treaty, the International Convention and/or other international arrangement for any such application the date of any earlier U.S. application (or any other application on the invention) to gain priority with respect to other applications.

IN WITNESS WHEREOF, Assignor has caused one of its officers to hereunder set his hand on the date shown below.

CONNECTIX CORPORATION

Date: February 18, 2003

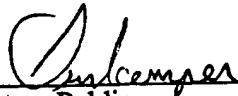
By: _____



Roy K. McDonald
Chief Executive Officer

STATE OF CALIFORNIA)
) SS:
COUNTY OF SAN MATEO)

On this 18th day of February, 2003, before me, a Notary Public in and for said county, appeared Roy K. McDonald, who is personally known to me to be the same person whose name is subscribed to the foregoing assignment document, and acknowledged that he/she signed and delivered the document as his/her free and voluntary act for the uses and purposes therein set forth.



Notary Public

{SEAL}

My Commission Expires: May 13, 2003



Schedule A

U.S. Filed			
Title	Date Filed	PTO Number	Remarks
Lossless Data Compression System and Method	April 1, 1997	5,617,552	
Virtual Memory Management System and Method Using Data Compression	December 16, 1997	5,699,539	
Dynamic Cross-Compilation System and Method	June 16, 1998	5,768,593	
Method for Creating Virtual Memory System by Redirecting Access for User Stack Instead of Supervisor Stack During Normal Supervisor Mode Processing	November 5, 19	5,063,499	

Pending Patent Applications

Application No.	Country	Filing Date	Title	Inventor(s)	Patent No.
09/617,709	U.S.	July 17, 2000	System and Method for Emulating the Operation of a Translation Look-Aside Buffer	Eric P. Traut	068167.0102
09/617,669	U.S.	July 17, 2000	System and Method for Displaying Current Images of Virtual Machine Environments	Eric P. Traut Benjamin Martz	068167.0103
09/617,624	U.S.	July 17, 2000	System and Method for Emulating the Operation of a Video Graphics Adapter	Tim Carroll Aaron S. Giles	068167.0104
09/747,492	U.S.	December 21, 2000	System and Method for the Logical Substitution of Processor Control in an Emulated Computing Environment	Eric P. Traut	068167.0105
09/809,731	U.S.	March 15, 2001	Method for Hybrid Processing of Software Instructions of an Emulated Computer System	Aaron S. Giles Eric P. Traut	068167.0107
09/918,295 ¹	U.S.	July 30, 2001	Method for Establishing a Drive Image in a Computing Environment	Eric P. Traut Aaron S. Giles Parag Chakraborty	068167.0108
09/906,392 ²	U.S.	July 16, 2001	System and Method for the Logical Substitution of Processor Control in an Emulated Computing Environment	Eric P. Traut	068167.0109
PCT/US01/22276 ³	PCT	July 16, 2001	System and Method for Emulating the Operation of a Memory Management Unit and a Translation Look-Aside Buffer	Eric P. Traut	068167.0110
PCT/US01/22278 ⁴	PCT	July 16, 2001	System and Method for Displaying Current Images of Virtual Machine Environments	Eric P. Traut Benjamin Martz	068167.0111
PCT/US01/22277 ⁵	PCT	July 16, 2001	System and Method for Emulating the Operation of a Video Graphics Adapter	Tim Carroll Aaron S. Giles	068167.0112

¹ This U.S. application claims the benefit of a provisional application filed on April 7, 2001.

² This U.S. application is a continuation-in-part of and claims priority from the application having Baker Botts No. 068167.0105.

³ This PCT application claims priority from the application having Baker Botts No. 068167.0102.

⁴ This PCT application claims priority from the application having Baker Botts No. 068167.0103.

PCT/US01/49217 ⁶	PCT	December 19, 2001	System and Method for the Logical Substitution of Processor Control in an Emulated Computing Environment	Eric P. Traut	068167.0113
PCT/US02/06815 ⁷	PCT	March 7, 2002	Method for Hybrid Processing of Software Instructions of an Emulated Computer System	Aaron S. Giles Eric P. Traut	068167.0114
PCT/US02/10078 ⁸	PCT	April 1, 2002	Method for Establishing a Drive Image in a Computing Environment	Eric P. Traut Aaron S. Giles Parag Chakraborty	068167.0115
10/193,531	U.S.	July 11, 2002	Method for Forking or Migrating a Virtual Machine	Eric P. Traut Rene A. Vega	068167.0116
10/211,148	U.S.	August 2, 2002	Method for Monitoring and Emulating Privileged Instructions of Programs in a Virtual Machine	Eric P. Traut	068167.0118
10/247,298	U.S.	October 18, 2002	Software License Enforcement Mechanism for an Emulated Computer System	Eric P. Traut	068167.0119
10/247,509	U.S.	October 18, 2002	Allocation of Processor Resources in an Emulated Computing Environment	Rene A. Vega	068167.0120
Not Yet Filed			Bimodal Device Emulation	Eric P. Traut	068167.0121

⁵ This PCT application claims priority from the application having Baker Botts No. 068167.0104.

⁶ This PCT application claims priority from the applications having Baker Botts No. 068167.0105 and Baker Botts No. 068167.0109.

⁷ This PCT application claims priority from the applications having Baker Botts No. 068167.0107.

⁸ This PCT application claims priority from the applications having Baker Botts No. 068167.0108.

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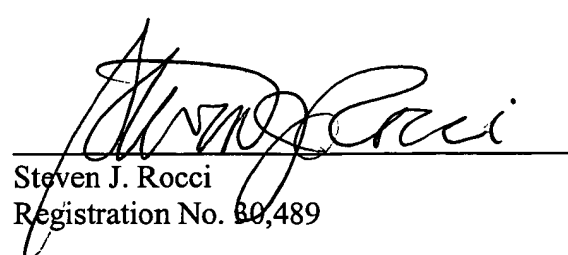
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**NOTIFICATION OF LOSS OF ENTITLEMENT TO SMALL ENTITY STATUS
(37 CFR 1.28(b))**

Applicant hereby notifies the Patent and Trademark Office that it is no longer entitled to status as a Small Entity, and that the assertion of Small Entity status filed on **January 23, 2001**, is hereby withdrawn.

Date:

6/3/03


Steven J. Rocci
Registration No. 80,489

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Philadelphia PA 19103
Telephone: (215) 568-3100
Facsimile: (215) 568-3439